Juan C MuÃ±oz-GarcÃ-a

List of Publications by Year
in descending order

26 papers	637 citations	516215 16 h-index	610482 24 g-index
32 all docs	32 docs citations	32 times ranked	1089 citing authors

#	Article	IF	Citations
1	Dynamic tuneable G protein-coupled receptor monomer-dimer populations. Nature Communications, 2018, 9, 1710.	5.8	92
2	Langerinâ€"Heparin Interaction: Two Binding Sites for Small and Large Ligands As Revealed by a Combination of NMR Spectroscopy and Cross-Linking Mapping Experiments. Journal of the American Chemical Society, 2015, 137, 4100-4110.	6.6	61
3	Hydrophobization of Cellulose Nanocrystals for Aqueous Colloidal Suspensions and Gels. Biomacromolecules, 2020, 21, 1812-1823.	2.6	38
4	Engineering monolayer poration for rapid exfoliation of microbial membranes. Chemical Science, 2017, 8, 1105-1115.	3.7	35
5	Detergent-free extraction of a functional low-expressing GPCR from a human cell line. Biochimica Et Biophysica Acta - Biomembranes, 2020, 1862, 183152.	1.4	34
6	Effect of the Substituents of the Neighboring Ring in the Conformational Equilibrium of Iduronate in Heparinâ€like Trisaccharides. Chemistry - A European Journal, 2012, 18, 16319-16331.	1.7	32
7	Understanding heat driven gelation of anionic cellulose nanofibrils: Combining saturation transfer difference (STD) NMR, small angle X-ray scattering (SAXS) and rheology. Journal of Colloid and Interface Science, 2019, 535, 205-213.	5.0	32
8	Mechanically Robust Gels Formed from Hydrophobized Cellulose Nanocrystals. ACS Applied Materials & Interfaces, 2018, 10, 19318-19322.	4.0	30
9	Thermosensitive supramolecular and colloidal hydrogels via self-assembly modulated by hydrophobized cellulose nanocrystals. Cellulose, 2019, 26, 529-542.	2.4	30
10	Conformations of the iduronate ring in short heparin fragments described by time-averaged distance restrained molecular dynamics. Glycobiology, 2013, 23, 1220-1229.	1.3	27
11	Structural heterogeneities in starch hydrogels. Carbohydrate Polymers, 2020, 249, 116834.	5.1	25
12	Importance of the polarity of the glycosaminoglycan chain on the interaction with FGF-1. Glycobiology, 2014, 24, 1004-1009.	1.3	24
13	Conformational dynamics of a G proteinâ€"coupled receptor helix 8 in lipid membranes. Science Advances, 2020, 6, eaav8207.	4.7	24
14	Self-assembling, supramolecular chemistry and pharmacology of amphotericin B: Poly-aggregates, oligomers and monomers. Journal of Controlled Release, 2022, 341, 716-732.	4.8	24
15	3D structure of a heparin mimetic analogue of a FGF-1 activator. A NMR and molecular modelling study. Organic and Biomolecular Chemistry, 2013, 11, 8269.	1.5	22
16	Fulvic acid increases forage legume growth inducing preferential up-regulation of nodulation and signalling-related genes. Journal of Experimental Botany, 2020, 71, 5689-5704.	2.4	19
17	Chemoenzymatic Synthesis of Fluorinated Cellodextrins Identifies a New Allomorph for Celluloseâ€Like Materials**. Chemistry - A European Journal, 2021, 27, 1374-1382.	1.7	18
18	Surfactant controlled zwitterionic cellulose nanofibril dispersions. Soft Matter, 2018, 14, 7793-7800.	1.2	16

#	Article	IF	Citations
19	Interaction of lipids with the neurotensin receptor 1. Biochimica Et Biophysica Acta - Biomembranes, 2016, 1858, 1278-1287.	1.4	15
20	High Molecular Weight Mixed-Linkage Glucan as a Mechanical and Hydration Modulator of Bacterial Cellulose: Characterization by Advanced NMR Spectroscopy. Biomacromolecules, 2019, 20, 4180-4190.	2.6	10
21	Spin diffusion transfer difference (SDTD) NMR: An advanced method for the characterisation of water structuration within particle networks. Journal of Colloid and Interface Science, 2021, 594, 217-227.	5.0	6
22	Molecular recognition of natural and nonâ€natural substrates by cellodextrin phosphorylase from Ruminiclostridium thermocellum investigated by NMR spectroscopy. Chemistry - A European Journal, 2021, 27, 15688-15698.	1.7	6
23	Nanodiscâ€Targeted STD NMR Spectroscopy Reveals Atomic Details of Ligand Binding to Lipid Environments. ChemBioChem, 2018, 19, 1022-1025.	1.3	5
24	Structures of Glycans Bound to Receptors from Saturation Transfer Difference (STD) NMR Spectroscopy: Quantitative Analysis by Using CORCEMA-ST. Methods in Molecular Biology, 2015, 1273, 475-487.	0.4	5
25	NMR studies on carbohydrate interactions with DC-SIGN towards a quantitative STD analysis. Pure and Applied Chemistry, 2013, 85, 1771-1787.	0.9	4
26	Spatially Resolved STD-NMR Applied to the Study of Solute Transport in Biphasic Systems: Application to Protein-Ligand Interactions. Natural Product Communications, 2019, 14, 1934578X1984978.	0.2	3